

A Contribution to the Knowledge of the Flora of Anguilla (B. W. I.)

BY

I. BOLDINGH.

During my investigations on the Flora of the **Dutch W. I. Islands St. Eustatius, Saba and St. Martin** in 1906 ¹⁾ I paid a short visit to the Island of **Anguilla**; I arrived in the evening of Sept. 5th 1906 and made some short trips on Sept. 6th and 7th in order to get acquainted with the Flora of this small Island, that, as far as I found was visited only by three botanists, **L. C. M. Richard** 1786, **Sir Daniel Morris** 1891 and **W. Elliot** 1892. (I. Urban *Symbolae Antillanae* III p. 152).

Besides a very small collection made by **W. Elliot** and a new species of *Thrinax* collected by **Sir Daniel Morris**, there exists no collection of Anguilla plants, and during my studies on the Flora of the Antilles I did not meet with any dried specimen, nor did I see Anguilla mentioned in I. Urban, *Flora Portoricensis*.

That is why I think it may be welcome to those who

1) Further details and the results of these investigations will be published in the course of these two months in „*The Flora of the Dutch W. I. Islands I. (1909)*” by the author of this paper.

study the Flora of the West Indies to have the small list of plants I saw or collected in Anguilla. I have given a list of 150 specimens only; it need not be mentioned that as far as concerns this Island, my studies are far from being complete; the short time I could spend there was taken from my studies in St. Martin and I could not devote more time to it.

Anguilla, belonging to the Presidency of St. Kitts and Nevis is a small Island of about 90 □ km. situated in 18° N. latitude and 63° longitude, separated from the Dutch and French Island St. Martin by a strait of about 10 km.

It is one of the Leeward Islands, is very flat and belongs to the same geological formation together with St. Martin, consisting chiefly of calcareous soil. A great part of the Island is cultivated and wherever the soil was abandoned or not yet cultivated, especially near the seashore, I met with a vegetation that consisted chiefly of prickly plants ressembling in superficial appearance the Croton vegetation of the Dutch Antilles. I did not see any tropical wood.

The list of plants is based on the same principles on which I am writing my Flora of the Dutch W. I. Islands and I do not think it necessary to give fuller explanations in this paper now, nor to give a description of the localities where I collected the plants. It be mentioned that only the plants indicated with B. Herb. Utrecht. are collected.

It is not my intention to give a treatise on the Flora of Anguilla, it is not the right time for it now: but for these 150 plants the Island is wholly unknown and I hope that it will not last long before further investigations may be planning. Some notes made at the end of my article will show that Anguilla though almost quite neglected will probably prove to be a nice Island for a botanist to investigate.

I am greatly indebted to **Prof. I. Urban** in Berlin (Steglitz-Dahlem) for the kind assistance given to me when I was there to finish my paper on the W.I. plants; some new species will be kindly described by him and **Dr. R. Pilger** in the *Symbolae Antillanae* VI (1909).

My best thanks also to **Messrs Carter** in Anguilla who allowed me to make use of their horses and carriages in order to cross the Island.

19. **Gramineae.**

111. **Saccharum** Linn.

Saccharum officinarum Linn. Spec. (1753) 54.

Cultivated. [Amer. austro-orient. ?] (Symb.).

134. **Andropogon** Linn.

Andropogon Schoenanthus Linn. Spec. (1753) 1046.

Cultivated. [Ind. orient., Afr. trop., Asia.] (Hackel 1859).

3454 B. Herb. Utrecht.

Andropogon zizanioides Urb. Symb. Ant. IV. (1903) 79.

Andropogon squarrosus Linn. f. Suppl. (1781) 433; Duss 529.

Vetiveria arundinacea Gris. Flor. W. I (1864) 559.

Antill., Bras., from Ind. orient. ? (Symb.).

3549 B. Herb. Utrecht.

143. **Tragus** Hall.

Tragus racemosus Haller. Hist. Stirp. Helv. II (1768) 203.

Lappago aliena Spreng. Neue Entd. III (1822) 15; Gris. Fl. 557.

Nazia aliena Millspaugh 471.

Antill., Curaçao, Aruba, trop. and sub trop. countries of both hemisph. (Symb.).

3534 B. Herb. Utrecht.

161. **Paspalum** Linn.

Paspalum fimbriatum H. B. K. Nov. Gen. I (1815) 93 t. 28; Gris. Fl. 542; Duss 511; Millspaugh 472.

Baham., Antill., Amer. austr. (Symb.).

3455 B. Herb. Utrecht.

Paspalum hemisphaericum Poir. in Lam. Enc. V (1804) 31.

Paspalum paniculatum Willd. Spec. Plant I (1798) 331. (non Linn); Gris. Fl. 543; Duss 512. (Symb.).

Antill., warmer parts of Amer. (Symb.).

3539 B., 3550 B. Herb. Utrecht.

166. **Panicum** Linn.

Panicum diffusum Sw. Prodr. (1788) 23; Duss 518.

Cuba, Jamaica, Hispaniola, St. Thomas, St. Jan, St. Croix, St. Barthélemy, Antigua, Guadeloupe, Martinique. (Symb.); St. Eustatius, St. Martin. (Herb. Utrecht.)

3457 B., 3459 B., 3538 B. Herb. Utrecht.

Panicum geminatum Forsk. Flor. aeg. arab. (1775) 18.

Panicum paspaloides Pers. Syn. I (1805) 81; Gris Fl. 545; Duss 514; Millspaugh 473.

Florida, Bermud., Baham., Antill., Aruba, trop. countries of both hemisph. (excl. Australia.) (Symb.).

3494 B. Herb. Utrecht.

Panicum insulare G. F. W. Mey. Prim. Esseq. (1818) 60.

Tricholaena insularis Gris. Flor. W. I. (1864) 557.

Panicum leucophaeum H. B. K. Nov. Gen. I (1815) 97; Duss 522.

Syntherisma insularis Millspaugh 437.

Florida austr., Baham., Amer. cont. from Texas to Patagonia. (Symb.).

Panicum molle Sw. Prodr. (1788) 2; Gris. Fl. 547; Duss 518.

Panicum barbinode Trin. Millspaugh 472.

Baham., Antill., Curaçao, Amer. cont. trop. (Symb.).

3458 B. Herb. Utrecht.

Panicum prostratum Lam. Ill. I (1791) 171; Gris. Fl. 546; Duss 515; Millspaugh 473.

Antill., Curaçao, trop. countries of both hemisph. (Symb.).

3543 B. Herb. Utrecht.

Panicum sanguinale Linn. Spec. (1753) 57; Duss 522.

Digitaria marginata Lk. Enum. I (1821) 102 et *Digitaria setigera* Roth. ap. R. et Sch. Syst. II (1817) 474; Gris. Fl. 544.

Syntherisma sanguinalis Dulac. Flore Hautes—Pyren. (1867) 77; Millspaugh 473.

Antill., trop countries of both hemisph. (Symb.).

3456 B. Herb. Utrecht.

169. **Oplismenus** Beauv.

Oplismenus setarius R. et. Sch. Syst. II (1817) 481; Duss 514.

Orthopogon setarius Spreng. Syst. I (1825) 306; Gris. Fl. 545. Millspaugh 473.

Bermud., Antill., Amer. cont. trop., Asia trop. (Symb.).

174. **Cenchrus** Linn.

Cenchrus tribuloides Linn. Spec. (1753) 1050; Gris. Fl. 556; Duss 526.

Bermud., Baham., Antill., Aruba, Bonaire, Amer. cont. trop. (Symb.).

208. **Aristida** Linn.

Aristida americana Linn. Syst. X ed. (1759) 879; Gris. Fl. 534; Duss 503.

Bouteloua juncifolia Lag. Gen. et Spec. Nov. (1816) 5.

Bouteloua litigosa Lag. Gen. et Spec. Nov. (1816) 5; Millspaugh 475.

Baham., Antill., Bonaire, Curaçao, Aruba, Amer. cont. trop. (Symb.).

3533 B. Herb. Utrecht.

230. **Sporobolus** R. Br.

Sporobolus virginicus Kth. Rév. Gram. I (1823) 67;
Gris. Fl. 533; Duss 503; Millspaugh 474.

Bermud., Baham., Antill., Aruba, Amer. cont., Afr. trop.,
Australia, Ins. Pacif. (Symb.).

3537 B., 3548 B., 3562 B. Herb. Utrecht.

295. **Bouteloua** Lag.

Bouteloua Vaneedeni Pilger in Symbolae Antillanae
VI (1909) 2.

3512 B. Herb. Utrecht.

304. **Eleusine** Gärtn.

Eleusine indica Gärtn. Fruct. I (1788) 8; Gris. Fl. 540.
Duss 508; Millspaugh 475.

Baham., Antill., Bonaire, Curaçao, trop. and warmer
countries of both hemisph. (Symb.).

20. **Cyperaceae.**459. **Cyperus** Linn.

Cyperus rotundus Linn. Spec. (1762) 67; Gris. Fl. 564;
Millspaugh 477.

Cyperus purpureo-variegatus Boeck. Cyp. Novae Heft 2
(1890) 37; Duss 539.

Baham., Antill., warmer countries of both hemisph. (Symb.).

Mariscus Gärtn.

cf. 459. *Cyperus* Linn. sect. 6.

Mariscus capillaris Vahl Enum. II (1806) 372.

Cyperus capillaris Sw; Millspaugh 476.

Cuba, Jamaica, Hispaniola, St. Croix. (Symb.).

Saba, St. Martin. (Herb. Utrecht).

3527 B. Herb. Utrecht.

471. **Fimbristylis** Vahl.

Fimbristylis ferruginea Vahl Enum. II (1806) 291.

Scirpus ferrugineus Linn. Spec. (1762) 74; Gris. Fl. 572.
Baham., Antill., in warmer and tropic. countries of the
Old world and in Amer. centr. and austral. (Symb.).

3495 B. Herb. Utrecht.

Fimbristylis monostachya Hassk. Pl. Jav. Rar. (1848) 61.
Abildgaardia monostachya Vahl. Enum. II (1806) 296;
Gris. Fl. 569.

Baham., Antill., all warmer countries of both hemisph
(Symb.).

3514 B., 3573 B. Herb. Utrecht.

Fimbristylis spathacea Roth. Nov. Pl. Sp. (1821) 24.
Scirpus obtusifolius Gris. Fl. W. I. (1864) 571.
Antill., in trop. countries of both hemisp. (Symb.).

3527 B. Herb. Utrecht.

23. Araceae.

755. **Colocasia** Schott.

Colocasia esculenta Schott Melet. I (1832) 18.
Cultivated. [India orient.] (Symb.).

32. Bromeliaceae.

890. **Tillandsia** Linn.

Tillandsia recurvata Linn. Spec. (1762) 410; Gris. Fl.
598; Duss 574; Millspaugh 478.

Baham., Antill., warmer countries of Amer. (Symb.).

45. Musaceae.

1318. **Musa** Linn.

Musa paradisiaca Linn. Spec. (1753) 1043.
Musa sapientium Linn. Syst. X ed. II (1759) 1303.
Cultivated. [India orient.] (Symb.).

63. Ulmaceae.

1898. **Celtis** Linn.

Celtis Iguanacea Sarg. Silva VII (1895) 64.

Cellis aculeata Sw. Prodr. (1788) 53; Gris. Fl. 149; Duss 152; Millspaugh 482.

Antill., Amer. cont. trop. (Symb.).

3530 B. Herb. Utrecht.

67. Loranthaceae.

2089. *Phoradendron* Nutt.

Phoradendron trinervium Gris. Flor. W. I. (1860) 314; Duss 328.

Antill., Costarica. (Symb.).

77. Polygonaceae.

2209. *Coccoloba* Linn.

Coccoloba diversifolia Jacq. Enum. Syst. (1760) 19; Millspaugh 484.

Coccoloba punctata Gris. (non L.) Flor. W. I. (1859) 163.

Coccoloba barbadensis Jacq. Enum. Syst. (1760) 37; Duss 166.

Coccoloba diversifolia Gris. (non Jacq) pr. p. Flor. W. I. (1859) 163. (Symb.).

Baham., Antill., Curaçao. (Symb.).

3458 B., 3483 B. Herb. Utrecht.

Coccoloba Krugii Lindau Mon. Cocc. (1892) 145.

Baham., Portorico, Barbuda. (Symb.); St. Martin. (Herb. Utrecht).

3472 B. Herb. Utrecht.

78. Chenopodiaceae.

2257. *Salicornia* Linn.

Salicornia herbacea Linn. Spec. (1762) 5.

Amer. sept., Europa, Afr., Asia. (Symb.).

3505^a B., 3571 B. Herb. Utrecht.

79. **Amarantaceae.**2328. **Achyranthes** Linn.

Achyranthes obtusifolia Lam. Enc. I (1783) 545.

Achyranthes aspera Linn. var. *obtusifolia* Gris. Flor. W. I. (1860) 220; Millspaugh 485.

Antill., Afr., Asia trop., Ins. Pacif. (Symb.).

2335. **Alternanthera** Forsk.

Alternanthera repens O. Ktze. Rev. II (1891) 540.

Alternanthera achyrantha R. Br. Prodr. I (1810) 417; Gris. Fl. 67; Duss 57; Millspaugh 485.

Baham., Antill., Amer. cont., Ins. Canar., Hispania. (Symb.).

3555 B. Herb. Utrecht.

80. **Nyctaginaceae.**2347. **Mirabilis** Linn.

Mirabilis Jalapa Linn. Spec. (1753) 177; Gris. Fl. 69; Duss 59; Millspaugh 486.

Baham., Antill., Amer. cont. trop. (Symb.). Cultivated and escaped.

2349. **Boerhaavea** Linn.

Boerhaavea scandens Linn. Spec. (1753) 3; Gris. Fl. 69.

Baham., Antill., Curaçao, Amer. cont. trop. from Arizona to Peru. (Symb.).

3451 B. Herb. Utrecht.

2354. **Pisonia** Linn.

Pisonia subcordata Sw. Prodr. (1788) 60; Gris. Fl. 70; Duss 61; Millspaugh 487.

Portorico, St. Thomas, St. Croix, St. Barthélemy, St. Kitts, Antigua, Guadeloupe, Désirade, Martinique. (Symb.); St. Eustatius, Saba, St. Martin. (Herb. Utrecht).

81. **Batidaceae.**2362. **Batis** Linn.

Batis maritima Linn. Syst. X ed. II (1759) 1380; Gris. Fl. 61; Duss 92; Millspaugh 486.

Florida, Baham., Antill., Amer. cont. trop. orient., Californ., Ins. Sandw. (Symb.).

3545a B. Herb. Utrecht.

84. **Aizoaceae.**2394. **Sesuvium** Linn.

Sesuvium portulacastrum Linn. Syst. X ed. II (1759) 1058; Gris. Fl. 57; Duss 47; Millspaugh 487.

Bermud., Baham., Antill., Curaçao, trop. and sub trop. countries of both hemisph. (Symb.).

3526a B. Herb. Utrecht.

85. **Portulacaceae.**2421. **Portulaca** Linn.

Portulaca halimoides Linn. Spec. (1762) 639; Gris. Fl. 57; Duss 47; Millspaugh 488.

Antill., Mexico. (Symb.).

3552 B. Herb. Utrecht.

Portulaca oleracea Linn. Spec. (1753) 445; Gris. Fl. 57; Duss 46; Millspaugh 487.

Bermud., Baham., Antill., trop. and warmer countries of both hemisph. (Symb.).

3553 B. Herb. Utrecht.

102. **Lauraceae.**2783. **Persea** Gärtn.

Persea americana Mill. Gard. Dict. VIII ed. (1768).

Persea gratissima Gärtn. f. Fruct. III (1807) 222 tab. 221; Gris. Fl. 280; Duss 298.

Persea Persea Cock. in Bull. Torr. Bot. Club. XIX (1892) 95;
Millspaugh 489.

Baham., Antill., trop. countries of both hemisph.; Indig.
in Mexico; (Symb.).

3491 B. Herb. Utrecht.

2825. **Cassytha** Linn.

Cassytha americana Nees. Syst. (1836) 644; Gris. Fl. 285.
Florida., Baham., Antill., Amer. cont. trop. (Symb.).

3523 B. Herb. Utrecht.

105. **Papaveraceae.**

2852. **Argemone** Linn.

Argemone mexicana Linn. Spec. (1753) 508; Gris. Fl. 13;
Duss 8; Millspaugh 489.

Bermud., Baham., Antill., Amer. cont. trop. and from
there in trop. countries of the Old world. (Symb.).

105. **Cruciferae.**

2883. **Lepidium** Linn.

Lepidium virginicum Linn. Spec. (1753) 645; Gris. Fl.
14; Duss 9; Millspaugh 488.

Bermud., Baham., Antill., Amer. sept. from Canada to
Texas. (Symb.).

107. **Capparidaceae.**

3087. **Gynandropsis** DC.

Gynandropsis pentaphylla DC. Prodr. I (1824) 238.

Cleome pentaphylla Linn. Spec. (1763) 938; Gris. Fl. 15;
Duss 11; Millspaugh 489.

Baham., Antill., Amer. cont. calid.; Indig. in Afr. and
Asia trop. (Symb.).

3101. **Capparis** Linn.

Capparis cynophallophora Linn. Spec. (1762) 721; Gris. Fl. 18; Duss 13; Millspaugh 490.

Florida austral., Antill., Panama, Amer. austral. (Symb.).

Capparis frondosa Jacq. Enum. (1760) 24; Gris. Fl. 19; Duss 14; Millspaugh 490.

Antill., Amer. centr., Nova Granata, Venezuela. (Symb.).

Capparis jamaicensis Jacq. Enum. (1760) 23; Gris. Fl. 18; Duss 13; Millspaugh 490.

Florida austral., Baham., Antill. (Symb.).

3522 B. Herb. Utrecht.

115. **Crassulaceae.**3165. **Bryophyllum** Salisb.

Bryophyllum pinnatum S. Kurz. in Journ. As. Soc. Beng. XL (1871) II. 52; Millspaugh 490.

Bryophyllum calycinum Salisb. Parad. Lond. (1805) t. 3; Gris. Fl. 803; Duss 319.

Bermud., Baham., trop. and subtrop. countries of both hemisph. (Symb.).

128. **Leguminosae.**3441. **Pithecolobium** Mart.

Pithecolobium unguis-cati Benth. in Hook. Lond. Journ. Bot. III (1844) 200; Gris. Fl. 226; Duss 254; Millspaugh 491.

Florida austr., Key Ins., Antill., Venezuela, Nova Granata. (Symb.).

3447. **Leucaena** Benth.

Leucaena glauca Benth. in Hook. Journ. Bot. IV (1842) 416; Gris. Fl. 220; Duss 247; Millspaugh 491.

Bermud., Baham., Antill., Curaçao, warmer countries of both hemisph. (Symb.).

3508. **Tamarindus** Linn.

Tamarindus indica Linn. Spec. (1753) 34; Gris. Fl. 213; Duss 237; Millspaugh 492.

Trop. countries of both hemisph.; Indig. veris. in Afr. trop. (Symb.).

3536. **Cassia** Linn.

Cassia glandulosa Linn. Syst. X ed. II (1759) 1017; Gris. Fl. 211; Duss 233.

Chamaecrista glandulosa Greene in Pitton. IV (1899) 28; Millspaugh 493.

Antill., Amer. austr. (Symb.).

3516 B. Herb. Utrecht.

Cassia obovata Collad.; Gris. Fl. 209.

From Afr. trop. (Gris. Fl.).

Cassia occidentalis Linn. Spec. (1753) 377; Gris. Fl. 209; Duss 235; Millspaugh 492.

Bermud., Florid. austr., Baham., Antill., Amer., Afr., Asia trop. (Symb.).

3556. **Poinciana** Linn.

Poinciana regia Boj. ex Hook. Bot. Mag. (1829) tab. 2284. Cultivated. [Madagascar.] (Symb.).

3559. **Caesalpinia** Linn.

Caesalpinia pulcherrima Sw. Obs. (1791) 166; Gris. Fl. 205; Duss 230; Millspaugh 493.

Key Ins., Baham., Antill., Amer. cont. trop., Asia trop., Afr. trop.; Patria ignot. (Symb.).

3602. **Sophora** Linn.

Sophora tomentosa Linn. Spec. (1753) 373; Gris. Fl. 203. Bermud., Florida austr., Baham., Antill., warmer countries of both hemisph. (Symb.).

3490 B. Herb. Utrecht.

3802. **Stylosanthes** Sw.

Stylosanthes hamata Taubert Mon. Stylos. (Nov. 1889) 22; Millspaugh 495.

Stylosanthes procumbens Sw. Prodr. (1788) 108; Gris. Fl. 188; Duss 202.

Baham., Antill., Amer. sept., Mexico, Amer. centr., Nova Granata. (Symb.).

3536 B. Herb. Utrecht.

3882. **Galactia** Adans.

Galactia dubia P. DC. Prodr. II (1825) 238.

Galactia filiformis Gris. Flor. W. I. (1864) 194 (p.p.). (Symb.); Duss 210.

Portorico, St. Thomas, Guadeloupe, Antigua, Désirade, Marie Galante. (Symb.). St. Eustatius, St. Martin. (Herb. Utrecht).

3503 B. Herb. Utrecht.

3892. **Cajanus** P. DC.

Cajanus indicus Spreng. Syst. III (1826) 248; Gris. Fl. 191; Duss 205.

Cajanus cajan Millsp. in Field Col. Mus. Bot. II (1900) 53; Millspaugh 497.

Warmer countries of both hemisph. (Symb.).

3897. **Rhynchosia** Lour.

Rhynchosia minima P. DC. Prodr. II (1825) 385; Gris. Fl. 190; Duss 205.

Dolicholus minimus Médic. Vorles. Churpf. Phys. Ges. II (1787) 354; Millspaugh 496.

Warmer countries of both hemisph. (Symb.).

3486 B. Herb. Utrecht.

137. Rutaceae.

3991. *Fagara* Linn.

Fagara flava Kr. et Urb. in Engl. Jahrb. XXI (1896) 571.

Xanthoxylum flavum Vahl. Eclog. III (1807) 48; Duss 140; Millspaugh 499.

Bermud., Key Ins., Baham., Antill. (Symb.).

3525 B. Herb. Utrecht.

Fagara spinifex Jacq. Fragn. (1809) 10 t. 6 f. 2.

Fagara microphylla Desv. Tabl. I ed. (1804) 200; Gris. Fl. 137 (excl. syn. Br. et L.); (Symb.); Duss 139; Millspaugh 499.

Xanthoxylum spinifex P. DC. Prodr. I. (1824) 723.

Antill., Venezuela. (Symb.).

3529 B. Herb. Utrecht.

Fagara trifoliata Sw. Prodr. (1788) 33.

Tobinia ternata Desv. in Ham. Prodr. (1825) 57; Gris. Fl. 136.

Tobinia punctata Gris. Flor. W. I. (1859) 137; Duss 138; Millspaugh 499.

Xanthoxylum ternatum Sw. Flor. I (1797) 570.

Jamaica, Hispaniola, Portorico, St. Croix, St. Barthélemy, Antigua, Montserrat, Guadeloupe, Marie Galante, Désirade, Les Saintes, Dominica, Martinique, St. Lucia, St. Vincent, Barbados, Trinidad. (Symb.).

St. Eustatius, St. Martin. (Herb. Utrecht).

3469 B., 3526 B., 3532 B. Herb. Utrecht.

4084. *Amyris* Linn.

Amyris elemifera Linn. Syst. X ed. II (1759) 1000; Duss 183.

Baham., Florida austr., Key West., Antill. (Symb.).

3481 B. Herb. Utrecht.

138. **Simarubaceae.**4106. **Suriana** Linn.

Suriana maritima Linn. Spec. (1753) 284; Gris. Fl. 58; Duss 48; Millspaugh 499.

Bermud., Baham., Antill., trop. countries of both hemisph. (Symb.).

3560 B. Herb. Utrecht.

139. **Burseraceae.**4150. **Bursera** Linn.

Bursera simaruba Sarg. Gard. and For. III (1890) 260.

Bursera gummiifera Jacq. Sel. (1763) 94 t. 65; Gris. Fl. 173; Duss 181; Millspaugh 500.

Florida, Key Ins., Baham., Antill., Curaçao, from Mexico to Nova Granata and Venezuela. (Symb.).

141. **Malpighiaceae.**4228. **Stigmatophyllon** Juss.

Stigmatophyllon periplocifolium A. Juss. Malp. Syn. (1840); Gris. Fl. 119; Duss 116; Millspaugh 498.

Cuba, Jamaica, Hispaniola, Portorico, St. Thomas, St. Croix, St. Jan, Antigua, Martinique, St. Lucia. (Symb.).

St. Eustatius, St. Martin. (Herb. Utrecht).

3452 B. Herb. Utrecht.

Stigmatophyllon sericeum Wright. ex Gris. Cat. Pl. Cub. (1866) 48.

Stigmatophyllon diversifolium A. Juss. in Arch. Mus. Par. III (1843) 381.

Cuba. (Herb. Krug et Urban).

St. Martin. (Herb. Utrecht).

3513 B. Herb. Utrecht.

4251. **Malpighia** Linn.

Malpighia punicifolia Linn. Spec. (1762) 609; Gris. Fl. 116; Duss 113.

Antill. (Herb. Krug et Urban, Herb. Utrecht).

Baham. (Hitchc.).

4255. **Byrsonima** L. Cl. Rich.

Byrsonima lucida L. Cl. Rich. ap. Juss. in Ann. Mus. Par. XVIII (1811) 481; Gris. Fl. 115; Duss 111.

Key Ins., Baham., Antill. (Symb.).

3505 B., 3511 B. Herb. Utrecht.

147. **Euphorbiaceae.**4299. **Phyllanthus** Linn.

Phyllanthus epiphyllanthus Linn. Spec. (1763) 1392; Duss 25.

Phyllanthus falcatus Sw. Flor. II (1800) 1115; Gris. Fl. 35.

Baham., Antill. (Symb.).

3566 B. Herb. Utrecht.

4348. **Croton** Linn.

Croton betulinus Vahl Symb. II (1791) 98; Duss 32; Millspaugh 501.

Florida austr., Antill. (Symb.).

3465 B., 3499 B. Herb. Utrecht.

Croton flavens Linn. Syst. X ed. II (1759) 1276; Gris. Fl. 38 (excl. syn. Willd.). (Symb.). Millspaugh 501.

Croton balsamifer Jacq. Enum. Pl. Carib. (1760). Duss 31.

Baham. (Herb. Leiden); Antill. (Symb.).

3477 B., 3528 B., 3559 B. Herb. Utrecht.

Croton lobatus Linn. Spec. (1753) 1005; Gris. Fl. 42; Duss 33; Millspaugh 501.

Antill., Bonaire, Curaçao, Aruba, Amer. trop. cont. (Symb.).

Croton ovalifolius Vahl. in West. Bidr. St. Croix (1793) 307; Gris. Fl. 41; Millspaugh 501.

Antill., Venezuela. (Gris. Fl.).

3484 B., 3507 B. Herb. Utrecht.

4360. **Argithamnia** Sw.

Argithamnia candicans Sw. Prodr. (1788) 39; Gris. Fl. 44; Millspaugh 502.

Baham. (Hitchc.) Antill. (Herb. Krug et Urban).

3466 B. Herb. Utrecht.

4407. **Acalypha** Linn.

Acalypha Poirerii Spreng. Syst. III (1826) 879.

St. Thomas, Curaçao. (Herb. Krug et Urban); St. Martin. (Herb. Utrecht).

3451 B. Herb. Utrecht.

4424. **Ricinus** Linn.

Ricinus communis Linn. Spec. (1753) 1007; Gris. Fl. 37; Duss 30; Millspaugh 502.

Indig. veris. in Africa. (Symb.). Also cultivated.

4444. **Manihot** Adans.

Manihot utilissima Pohl Plant. Bras. I (1827) 32 t. 24.

Cultivated. [Amer. cont. trop.] (Symb.).

4486. **Hippomane** Linn.

Hippomane mancinella Linn. Spec. (1753) 1191; Gris. Fl. 50; Duss 37; Millspaugh 503.

Florida austr., Baham., Antill., Curaçao, from Mexico to Venezuela. (Symb.).

4498. **Euphorbia** Linn.

Euphorbia buxifolia Lam. Encyc. II (1786) 421; Gris. Fl. 53; Duss 42; Millspaugh 503.

Bermud., Florida and Mexico and throughout the West-Indies. (Hemsley 1884).

3561 B., 3567 B. Herb. Utrecht.

Euphorbia pilulifera Lin. Spec. (1753) 454; Gris. Fl. 54; Duss 42; Millspaugh 503.

All trop. countries. (Gris. Fl.).

4501. **Pedilanthus** Neck.

Pedilanthus tithymaloides Poit. in Ann. Mus. Par. XIX (1812) 390. t. 19; Gris. Fl. 52; Duss 41; Millspaugh 504.

Portorico, Guadeloupe, Martinique, St. Vincent, Barbados, Grenada, Tobago. (Herb. Krug et Urban).

St. Eustatius, Saba, St. Martin. (Herb. Utrecht).

St. Croix ex Millspaugh.

3572 B. Herb. Utrecht.

153. **Anacardiaceae.**

4590. **Comocladia** Linn.

Comocladia ilicifolia Sw. Prod. Veg. Ind. Occ. (1788) 17; Gris. Fl. 176; Duss 184; Millspaugh 504.

Portorico, St. Domingo, St. Thomas, Guadeloupe, Antigua, St. Lucia. (Engler 1883).

3556 B. Herb. Utrecht.

158. **Celastraceae.**

4648. **Gyminda** Sarg.

Gyminda latifolia Urb. in Symbolae Antillanae V (1904) 80.

Myginda latifolia Sw. Prodr. (1788) 39; Gris. Fl. 146; Duss 148.

Myginda pallens Sarg. Forest Trees N. Amer. IX. 38.
Duss 147 (non. Sm.); (Symb.).

Rhacoma latifolia Loesener in Engl. Prantl. Nat. Pflanzenfam. III. 5 (1892) 217.

Key Ins., Antill., Mexico. (Symb.).

3479 B. Herb. Utrecht.

Rhacoma Linn.

cf. 4649. **Myginda** Jacq. syn.

Rhacoma crossopetalum Linn. Syst. X ed. II (1759) 896.

Myginda rhacoma Sw. Prodr. (1788) 39; Gris. Fl. 146
Duss 147.

Myginda pallens Smith in Rees Cycl. XXV (1813) n. 4;
Gris. Fl. 146; Millspaugh 505.

Florida austr., Key, Baham., Antill. (Symb.).

3489 B., 3500 B. Herb. Utrecht.

165. **Sapindaceae.**

4833. **Hypelate** Swartz.

Hypelate trifoliata Sw. Prod. Veg. Ind. Occ. (1788) 61;
Gris. Fl. 127.

Baham., Antill. (Herb. Krug et Urban).

3508 B. Herb. Utrecht.

169. **Rhamnaceae.**

4864. **Reynosia** Griseb.

Reynosia uncinata Urb. in Symbolae Antillanae I
(1899) 355.

Portorico. (Symb.).

3470 B. Herb. Utrecht.

4865. **Sarcomphalus** R. Br.

Sarcomphalus domingensis Kr. et Urb. in Symbolae
Antillanae I (1899) 357.

St. Domingo, Haiti. (Symb.).

3452a B., 3488 B. Herb. Utrecht.

Sarcomphalus aff. *S. havanensis* Gris. Cat. Pl. Cub
(1866) 31. (without flowers and fruits).
3506a B. Herb. Utrecht.

170. **Vitaceae.**

4918. **Cissus** Linn.

Cissus sicyoides Linn. Syst. ed. X (1759) 897; Gris.
Fl. 102; Duss 95; Millspaugh 506.

Vitis sicyoides Miq. in Ann. Mus. Bot. Lugd. Bat. I (1863) 83.
Amer. trop. (Planchon 1887).

174. **Tiliaceae.**

4953. **Corchorus** Linn.

Corchorus hirsutus Linn. Spec. (1753) 530; Gris. Fl.
97; Duss 507.

Baham., Antill., Aruba, Bonaire. (Herb. Krug et Urban).

3473 B., 3519 B. Herb. Utrecht.

Corchorus siliquosus Linn. Spec. (1753) 529; Gris. Fl.
97; Duss 89; Millspaugh 507.

Antill., Florida to Texas, Panama, Nova Granata. (Gris. Fl.).

3463. B. Herb. Utrecht.

175. **Malvaceae.**

4983. **Abutilon** Adans.

Abutilon indicum Sweet Hort. Brit. ed. I (1827) 54;
Gris. Fl. 78; Duss 67; Millspaugh 507.

Antill., Panama, Niger, Nubia to Mozambique, East.
Indies. (Gris. Fl.).

4995. **Malvastrum** A. Gray.

Malvastrum tricuspidatum A. Gray Pl. Wright. I (1852)
16; Gris. Fl. 72; Duss 63.

Malvastrum coromandelianum Garcke in Bonplandia V

(1857) 297; Millspaugh 508.

Cosmop. trop. (Ind. Kew.).

3449 B. Herb. Utrecht.

4998. **Sida** Linn.

Sida ciliaris Linn. Syst. ed. X (1759) 1145; Gris. Fl. 73; Duss 64; Millspaugh 509.

Antill., Venezuela. (Gris. Fl.).

3493 B.. 3535 B. Herb. Utrecht.

Sida spinosa Linn. Spec. (1753) 683; Gris. Fl. 74; Duss 64; Millspaugh 509.

Africa, Asia, America. (E. a. P.).

3461^a B. Herb. Utrecht.

5020. **Gossypium** Linn.

Gossypium barbadense Linn. Spec. (1753) 693; Gris. Fl. 86; Millspaugh 507.

Cultivated. [America]. (E. a. P.).

178. **Sterculiaceae.**

5057. **Melochia** Linn.

Melochia tomentosa Linn. Syst. ed. X (1759) 1140; Gris. Fl. 93; Duss 86; Millspaugh 510.

Antill., Cuba and Mexico to Venezuela and Brazil. (Gris Fl.)

3478 B. Herb. Utrecht.

5059. **Waltheria** Linn.

Waltheria americana Linn. Spec. (1753) 673; Gris. Fl. 95; Duss 87.

Waltheria indica Linn. Spec. (1753) 673; Millspaugh 511.

In all trop. and subtrop. countries. (Hemsley 1884).

3496 B. Herb. Utrecht.

197. **Canellaceae.**5254. **Canella** Swartz.

Canella alba Murr. Syst. ed. XIV (1784) 443; Gris. Fl. 109; Duss 103; Millspaugh 511.

Florida, Antill. (E. a. P.).

3479 B. Herb. Utrecht.

203. **Passifloraceae.**5372. **Passiflora** Linn.

Passiflora suberosa Linn. Spec. (1753) 958; Gris. Fl. 290; Duss 311; Millspaugh 512.

Antill., Panama, Venezuela. (Gris. Fl.).

3498 B. Herb. Utrecht.

216. **Lythraceae.**5494. **Lawsonia** Linn.

Lawsonia inermis Linn. Spec. (1753) 349.

Cultivated. [Africa, Asia, Australia]. (Koehne 1903).

221. **Combretaceae.**5548. **Conocarpus** Gärtn.

Conocarpus erectus Linn. Spec. (1753) 76; Gris. Fl. 277; Duss 295; Millspaugh 516.

Antill., Florida to Brazil, Galapagos, Marianne Islands, trop. coasts of Africa. (Gris. Fl.).

3545 B. Herb. Utrecht.

5551. **Laguncularia** Gärtn.

Laguncularia racemosa Gärtn. f. Fruct. III (1805) 209 t. 217 f. 2; Gris. Fl. 276; Duss 295; Millspaugh 516.

Amer. trop. to Florida, Africa. trop. (E. a. P.).

3547 B. Herb. Utrecht.

222. **Myrtaceae.**5558. **Myrtus** Linn.

Myrtus anguillensis Urban in Symbolae Antillanae VI (1909) 21.

3509 B., 3524 B., 3531 B. Herb. Utrecht.

5559. **Psidium** Linn.

Psidium Guajava Linn. Spec. (1753) 470; Gris. Fl. 241; Duss 261; Millspaugh 515.

Baham., Antill., from Mexico to Brazil. (Urban 1895).

5578. **Eugenia** Linn.

Eugenia monticola DC. Prod. III (1828) 275.

Eugenia Poiretii Berg. in Linnaea XXVII (1856) 186 (excl. syn. Cand., Poir., Spreng.); Gris. Fl. 236; (ex. descr.).

Eugenia obtusata Willd. ex Berg. in Linnaea XXVII (1856) 240; Gris. Fl. 237; (ex. descr.).

Eugenia buxifolia Gris. Flor. W. I. (1860) 236; (excl. syn.). non Willd.

Eugenia pallens Gris. Flor. W. I. (1860) 237 (spec. Guad.), non DC., Duss 269; Millspaugh 515.

Baham. (Hitchc.); Antill. (Urban 1899).

3461 B., 3477^a B., 3520 B. Herb. Utrecht.

235a. **Theophrastaceae.**6282. **Jacquinia** Linn.

Jacquinia Berteri Spreng. Syst. I (1825) 668.

Baham., Antill., (Symb.).

3558 B. Herb. Utrecht.

245. **Loganiaceae.**6453. **Spigelia** Linn.

Spigelia Anthelmia Linn. Spec. (1753) 149; Gris. Fl. 331; Duss 336.

Antill., Amer. austral. (E. a. P.).

8474 B. Herb. Utrecht.

247. **Apocynaceae.**

6578. **Plumiera** Linn.

Plumiera alba Linn. Spec. (1753) 210; Gris. Fl. 411; Duss 395; Millspaugh 518.

Portorico, St. Croix, St. Thomas, Guadeloupe, Martinique, St. Lucia, Grenada. (Herb. Krug et Urban).

St. Eustatius, Saba, St. Martin, (Herb. Utrecht).

Plumiera rubra Linn. Spec. (1753) 209.

Cultivated. [Mexico and Venezuela.] (E. a. P.).

6661. **Urechites** Müll—Arg.

Urechites suberecta Müll—Arg. in Linnaea XXX (1859—60) 444.

Echites suberecta Jacq. Enum. Pl. Carib. (1760) 13; Gris. Fl. 415; Millspaugh 518.

Cuba, Jamaica, Hispaniola, Portorico, St. Thomas, St. Kitts. (Herb. Krug et Urban).

St. Croix ex Millspaugh.

St. Eustatius, Saba, St. Martin. (Herb. Utrecht).

248. **Asclepiadaceae.**

6792. **Calotropis** R. Br.

Calotropis procera R. Br. in Ait. Hort. Kew. ed. (1811) II 78; Gris. Fl. 420; Duss 399; Millspaugh 519.

Indig. in Afr. sept. and India orient. (Symb.).

249. **Convolvulaceae.**

6968. **Cuscuta** Linn.

Cuscuta americana Linn. Spec. (1753) 124; Gris. Fl. 476; Duss 443; Millspaugh 519.

Antill., Cuba and Mexico to Brazil. (Gris. Fl.).
3480 B. Herb. Utrecht.

6973. **Evolvulus** Linn.

Evolvulus argyraeus Choisy Conv. Rar. (1838) 153.
Equador. (Ind. Kew.).

3565 B. Herb. Utrecht.

Evolvulus glaber Spreng. Syst. I (1825) 862.

Evolvulus mucronatus Sw. ex Wikst. in Vet. Acad. Handl.
Stockholm. (1827) 61; Gris. Fl. 475; Millspaugh 520.

Baham., Antill., Portorico to Peru. (Gris. Fl.).

3564 B. Herb. Utrecht.

6991. **Jacquemontia** Choisy.

Jacquemontia pentantha G. Don. Gen. Syst. IV (1838)
283; Millspaugh 521.

Jacquemontia violacea Choisy in Mém. Soc. Phys. Genève.
VIII. 1 (1838) 61; Duss 442.

Convolvulus pentanthus Jacq. Coll. IV 210; Gris. Fl. 474.

Portorico, Becquia, St. Thomas, Barbuda, Guadeloupe,
Martinique, St. Vincent, Grenada, Barbados. (Herb. Krug
et Urban).

St. Eustatius, Saba. (Herb. Utrecht).

3544 B. Herb. Utrecht.

7003. **Ipomoea** Linn.

Ipomoea arenaria Steud. Nom. ed. II. 1. (1841) 815.

Cuba, Portorico, St. Croix, St. Thomas. (Herb. Krug et
Urban).

St. Martin. (Herb. Utrecht).

3471 B., 3515 B. Herb. Utrecht.

Ipomoea batatas Poir. Encycl. VI (1804) 14.

Cultivated. [Amer. centr.] (E. a. P.)

Ipomoea dissecta Pers. in Linn. Syst. ed. XIV (1797)
207 in nota; Gris. Fl. 467; Duss 435.

Ipomoea sinuata Orteg. Hort. Matr. Dec. (1800) 84; Millspaugh 520.

All trop. countries. (Gris. Fl.).

Ipomoea pes caprae Roth. Nov. Pl. Sp. (1821) 109; Gris. Fl. 470; Duss 438; Millspaugh 520.

Ipomoea biloba Forsk. Fl. Aegypt. Arab. (1775) 44.

All trop. and subtrop. countries. (Hemsley 1884).

252. **Borraginaceae.**

7042. **Beureria** Jacq.

Beureria succulenta Jacq. Enum. Pl. Carib. (1760) 14; Gris. Fl. 481; Duss 449.

Ehretia Bourreria Linn. Spec. (1762) (275); Millspaugh 522.

Baham. (Herb. Leiden.); Antill., Cuba to Frensch Islands, Curaçao. (Gris. Fl.)

3518 B. Herb. Utrecht.

7051. **Tournefortia** Linn.

Tournefortia gnaphalodes R. Br. Prod. (1810) 496; Gris. Fl. 483; Duss 450; Millspaugh 523.

Bermud., Florida and throughout the West Indies. (Hemsley 1884).

Tournefortia volubilis Linn. Spec. (1753) 140; Gris. Fl. 484; Duss 451; Millspaugh 523.

Antill., Venezuela to Brazil. (Gris. Fl.).

3521 B., 3540 B. Herb. Utrecht.

7052. **Heliotropium** Linn.

Heliotropium microphyllum Sw. ex Wikstr. in Vet. Acad. Handl. Stockh. (1827) 58; Gris. Fl. 486.

Antigua, Guadeloupe. (Herb. Krug et Urban).

St. Martin. (Herb. Utrecht.)

Baham. (Hitchc.).

3517 B. Herb. Utrecht.

Heliotropium parviflorum Linn. Mant. II (1771) 201;
 Gris. Fl. 485; Duss 452; Millspaugh 523.
 Florida and Texas to Peru and Brazil. (E. a. P.).

253. **Verbenaceae.**

7144. **Lantana** Linn.

Lantana involucrata Linn. Cent. Pl. II (1756) 22; Gris.
 Fl. 496; Duss 464; Millspaugh 524.

Bermud., Florida and Antill., Mexico and northern part
 of Amer. austr. (Hemsley 1884).

3476 B., 3504 B. Herb. Utrecht.

7145. **Lippia** Linn.

Lippia reptans H. B. et K. Nov. Gen. et Spec. II
 (1817) 263; Gris. Fl. 495; Duss 462.

Antill., Mexico to Brazil. (Gris. Fl.).

3475 B. Herb. Utrecht.

7151. **Stachytarpheta** Vahl.

Stachytarpheta jamaicensis Vahl Enum. I (1804) 206;
 Gris. Fl. 494; Duss 461.

Stachytarpheta indica Vahl Enum. I (1804) 206;

Valerianoides jamaicensis Médic. Phil. Bot. I (1789) 177;
 Millspaugh 525.

Bermud., Florida and Mexico to Brazil, also in trop.
 Afr. and Asia. (Hemsley 1884).

3497. B. Herb. Utrecht.

7162. **Duranta** Linn.

Duranta repens Linn. Spec. (1753) 637; Millspaugh 524.

Duranta Plumieri Jacq. Select. Am. (1763) 180 t. 170 f.
 76; Gris. Fl. 498; Duss 465.

From Bolivia and Brazil. to Mexico and the Antill.,
 (E. a. P.).

7191. **Clerodendron** Linn.

Clerodendron aculeatum Gris. Flor. W. I. (1861) 500; Duss 467; Millspaugh 524.

Amer. trop. (E. a. P.)

254. **Labiatae.**7290. **Salvia** Linn.

Salvia serotina Linn. Mant. I (1767) 25; Gris. Fl. 490; Millspaugh 526.

Bermud., Florida and throughout the West Indies.
(Hemsley 1884).

7355. **Coleus** Lour.

Coleus amboinicus Lour. Fl. Cochinch. II (1790) 372; Gris. Fl. 487; Duss 455; Millspaugh 525.

Coleus aromaticus Benth. in Wall. Pl. As. Rar. II (1832) 16.
Indig. in the East Indies. (Gris. Fl.).

256. **Solanaceae.**7379. **Lycium** Linn.

Lycium americanum Jacq. Stirp. Am. (1763) 50.

Hispaniola, Cuba, St. Domingo. (Herb. Krug et Urban).
St. Martin. (Herb. Utrecht).

3546 B. Herb. Utrecht.

7407. **Solanum** Linn.

Solanum racemosum Jacq. Enum. Ph. Carib. (1760) 15; Gris. Fl. 439; Duss 414; Millspaugh 527.

St. Thomas, St. Jan, Guadeloupe, Desirade, Les Saintes,
Marie Galante, Dominica, Martinique, St. Vincent, Barbados.
(Herb. Krug et Urban).

Bignoniaceae.7733. **Tecoma** Juss.

Tecoma leucoxylon Mart. ex. DC. Prod. IX (1845)
219; Gris. Fl. 447; Duss 420; Millspaugh 528.

Baham., Antill., Cuba to Guiana. (Gris. Fl.).

3482 B., 3501 B., 3541 B. Herb. Utrecht.

7759. **Crescentia** Linn.

Crescentia Cujete Linn. Spec. (1753) 626; Gris. Fl. 445; Duss 418; Millspaugh 528.

Antill. and Amer. austr. (E. a. P.).

270. **Rubiaceae.**

8219. **Exostemma** L. C. Rich.

Exostemma caribaeum Roem et Schult. Syst. V (1819) 18; Gris. Fl. 324; Duss 333; Millspaugh 531.

Baham. (Hitchc.); Key West. (Melvill 1884); Antill. (Herb. Krug et Urban).

3476 B., 3502 B. Herb. Utrecht.

8283. **Randia** Linn.

Randia aculeata Linn. Spec. (1753) 1192; Gris. Fl. 318; Duss 330; Millspaugh 531.

Bermud., Florida, Antill. (Hemsley 1884).

3450a B. Herb. Utrecht.

8361. **Guettarda** Linn.

Guettarda scabra Lam. Tabl. Encycl. II (1793) 218. t. 154 f. 3; Gris. Fl. 332; Duss 337; Millspaugh 531.

Baham., Antill., Yucatan, Brazil. (Gris. Fl.).

3464 B., 3506 B. Herb. Utrecht.

8363. **Antirrhoea** Comm.

Antirrhoea acutata Urb. in Symbolae Antillanae I (1900) 439.

Stenostomum viscosum Gris. Flor. W. I. (1861) 334.

Portorico, Guadeloupe, Désirade. (Symb.).

Curaçao. (Herb. Leiden).

3475a B. Herb. Utrecht.

8371. **Erithalis** Linn.

Erithalis fruticosa Linn. Syst. ed. X (1759) 930; Gris. Fl. 336; Duss 338; Millspaugh 530.

Antill. (Herb. Krug et Urban); Key West. (Melvill.); Baham. (Hitchc.).

3485 B. Herb. Utrecht.

8391. **Strumpfia** Jacq.

Strumpfia maritima Jacq. Enum. Pl. Carib. (1760) 28; Gris. Fl. 336; Duss 338.

Baham., Antill., Aruba, Bonaire, Curaçao. (Herb. Krug et Urban).

3551 B. Herb. Utrecht.

8468. **Ernodea** Swartz.

Ernodea litoralis Sw. Prod. Ind. Occ. (1788) 29; Gris. Fl. 347; Duss 347; Millspaugh 530.

Baham., Antill. (Gris. Fl.).

3487., 3510 B. Herb. Utrecht.

8475. **Spermacoce** Gärtn.

Spermacoce tenuior Linn. Spec. (1753) 102; Gris. Fl. 349; Duss 347; Millspaugh 532.

Antill., Amer. centr. (E. a. P.).

3542 B. Herb. Utrecht.

277. **Goodeniaceae.**8716. **Scaevola** Linn.

Scaevola Plumieri Vahl Symb. II (1791) 36; Gris. Fl. 388; Duss 378; Millspaugh 533.

Scaevola Lobelia Murr. Syst. ed. XIII (1774) 178.

Bermud., Baham., Antill. (Herb. Krug et Urban).

3563 B. Herb. Utrecht.

280. **Compositae.**8941. **Pluchea** Cass.

Pluchea purpurascens DC. Prod. V (1836) 452; Gris. Fl. 367; Duss 362; Millspaugh 535.

Bermud., Florida and Mexico, Antill. to Nova Granata. (Hemsley 1884).

3492 B. Herb. Utrecht.

9101. **Lagascea** Cav.

Lagascea mollis Cav. in Anal. Cienc. Nat. VI (1803) 333 t. 44. Ind. in Amer. centr. (E. a. P.).

9138. **Parthenium** Linn.

Parthenium Hysterophorus Linn. Spec. (1753) 988; Gris. Fl. 369; Duss 365; Millspaugh 535.

Antill., Amer. sept. and centr. and in other parts of both hemisph. (E. a. P.).

9192. **Wedelia** Jacq.

Wedelia buphthalmoides Gris. in Goett. Abh. VII (1857) 235; Gris. Fl. 372; Duss 367; Millspaugh 536.

Antill., (Herb. Krug et Urban); Baham. (Hitchc.).

9319. **Pectis** Linn.

Pectis humifusa Sw. Prod. Veg. Ind. Occ. (1788) 114; Gris. Fl. 378; Duss 372; Millspaugh 535.

St. Domingo, Portorico, St. Thomas, St. Jan, St. Croix, St. Barthélemy, St. Kitts, Antigua, Guadeloupe, Désirade, Marie Galante, Dominica, Martinique, St. Lucia, St. Vincent, Mustique, Barbados. (Symb.).

St. Eustatius, Saba, St. Martin. (Herb. Utrecht.)

3570 B. Herb. Utrecht.

As may be seen from the given list of 150 species, 11 are cultivated plants, 41 are also found on the Continent of America and other parts of the world, 47 are found in the American Islands as well as on the Continent of America, 8 are only to be found in the American Islands and the southern part of Florida, 15 are only to be seen in the American Atlantic Islands and 28 are not yet seen except in the Antilles.

When we compare these numbers with those I found in the three Dutch Antilles, then we see that they are there resp. 806, 182, 207, 301, 18, 34, 114.

Among the 28 plants only known from the Antilles there are 2 new species viz. *Bouteloua Vaneedeni* and *Myrtus anguillensis* and 7 species are found, as far as we know, only on the Islands to the north of St. Kitts: viz: *Stigmaphyllon sericeum*, *Croton flavens*, *Argithamnia candicans*, *Reynosia uncinata*, *Sarcomphalus domingensis*, *Ipomoea arenaria* and *Lycium americanum*.

Utrecht, 29 IV 1909,
Bot. Inst. of the University.

LITERATURE.

- DUSS = R. P. Duss: Flore phanérogamique des Antilles françaises (Guadeloupe et Martinique). Avec annotations du Professeur Dr. Edouard Heckel sur l'emploi de ces plantes. [Heck. Ann. de l'inst. colon. de Marseille. 4-ème année 1896. vol. III.) Macon 1897.
- ENGLER 1883 = A. Engler: Anacardiaceae in de Candolle Monogr. Phan. Vol. Quartum. Parisiis 1883.
- E. a. P. = Engler u. Prantl: die natürlichen Pflanzenfamilien up to 1909.
- GRIS. FL. = A. H. R. Grisebach: Flora of the British West Indian Islands. London p. 1—192: 1859, p. 193—315: 1860, p. 315—506: 1861, p. 507—789, Tit. et Index: 1864.
- HACKEL 1889 = E. Hackel: Andropogoneae in de Candolle Monogr. Phan. Vol Sextum. Parisiis 1889.
- HEMSLEY 1884 = W. Botting Hemsley: Report on the Botany of the Bermudas and various other Islands of the Atlantic and Southern Oceans. The Bermudas. [Rep. on the scient. results of the Voy. of H. M. S. Challenger. London. 4°. Botany vol. I part I (1884) p. 1—135, tab. I—XIII et Introduction (1885) p. 48—49.].
- MELVILL 1884 = J. Cosmo Melvill: List of Phanerogams of Key West, South Florida, mostly observed there in March 1872. [Memoirs of the Manchester Literary and Philosophical Society. Third series, Eighth volume. London 1884.]

MILLSPAUGH = C. F. Millspaugh: Flora of the Island of St. Croix. [Field Columbian Museum Publication 68. Botanical Series vol. I no. 7. Chicago. U. S. A. November 1902.]

PLANCHON 1887 = J. E. Planchon: Ampelideae in de Candolle Monogr. Phan. Vol. Quintum. Parisiis 1887.

SYMB. = I. Urban: Symbolae Antillanae seu Fundamenta Florae Indiae Occidentalis. Berolini, Parisiis, Londini. Vol. I, II, III, IV (fasc. 1, 2), V, VI (fasc. 1) (1898—1909).

URBAN 1895 = I. Urban: Additamenta ad cognitionem florae Indiae occidentalis in Engler's Botan. Jahrb. Leipzig 1895. II. in vol. XIX (1894—'95) p. 562—681.